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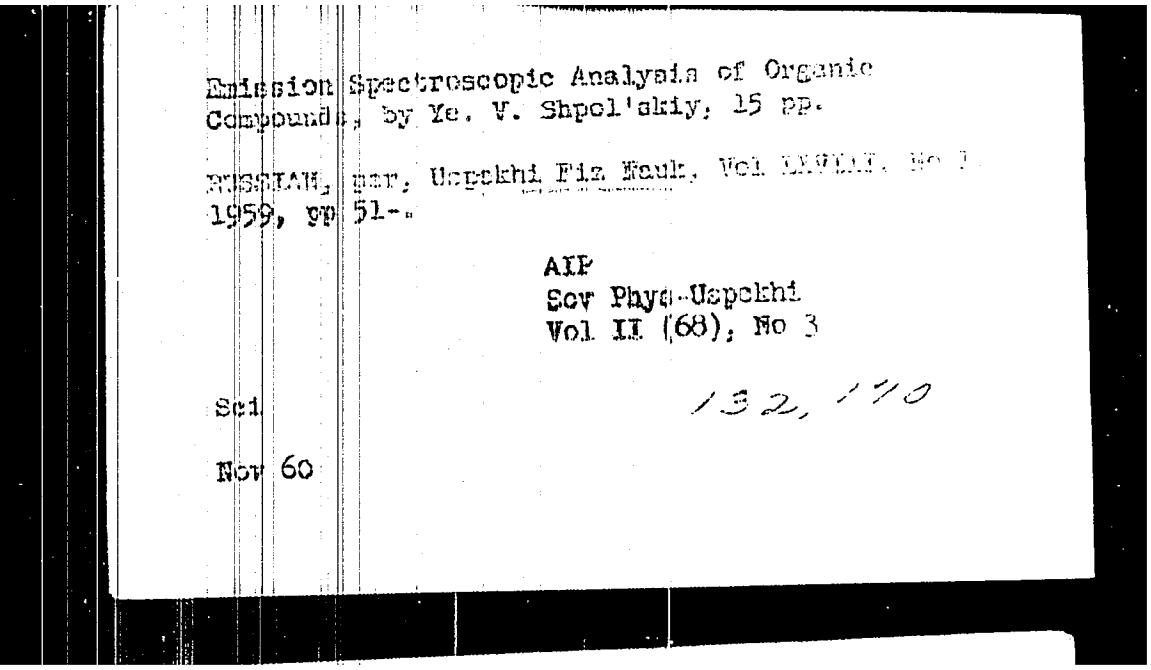


Emission Spectroscopic Analysis of Organic Compounds, by Ye. V. Shpol'skiy, 15 pp.

RUSSIAN, Usp. Fiz. Nauk, Vol LXVIII, No 1, 1959, pp 51-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

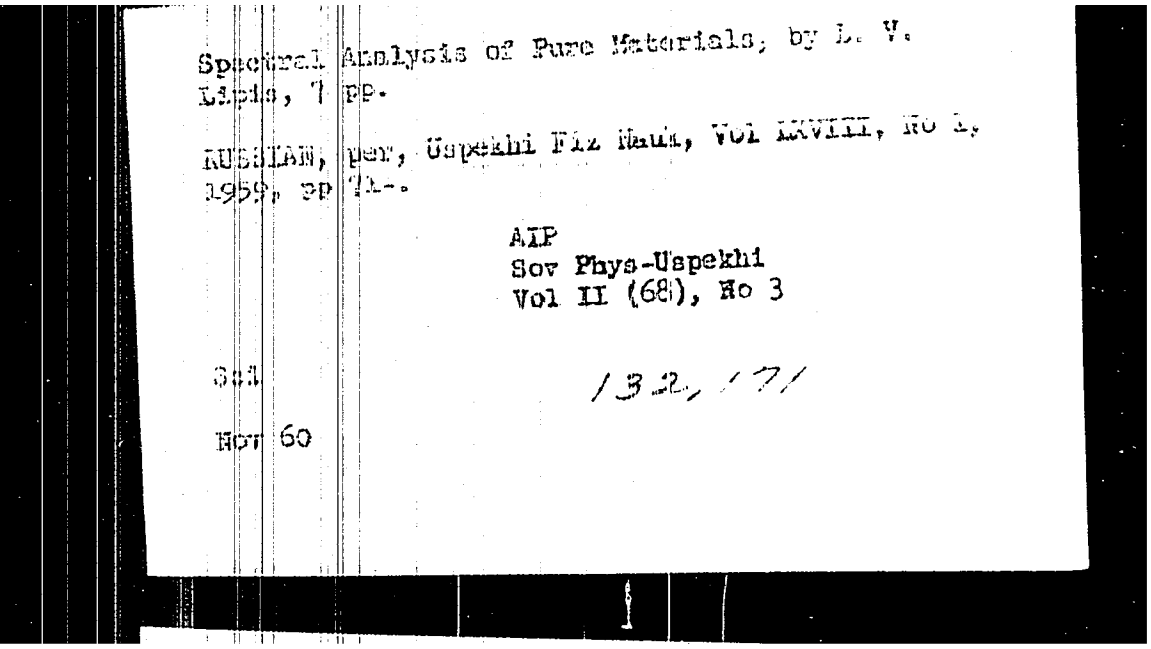
132, 170

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Spectral Analysis of Pure Materials, by L. V.
Lipis, 7 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 2,
1959, pp 71-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

132, 171

Apr 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

X-Ray Spectral Analysis, by I. B. Borovskiy,
7 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1,
1959, pp 81-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci

Nov 60

132,172

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Applications of Spectroscopy in Biology and Biochemistry, by L. A. Tumerman, 21 pp.

RUSSIAN, part, Uspekhi Fiz Nauk, Vol LXVIII, No 1, 1959, pp 93-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

132,173

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Spectral Analysis of Isotopic Composition, by
A. N. Zaidel', 8 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1,
1959, pp 123-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci

Nov 60

132,174

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Methods of Measuring Line Intensity in Raman Spectra, by P. A. Bazhulin, M. M. Sushchinskiy, 2 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1, 1959, pp 135-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sel

Nov 60

132, 175

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Intensity Measurements in Infrared Spectra,
by V. M. Chulanovskiy, 7 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1,
1959, pp 147-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci

Nov 60

132,176

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Conservation of Combined Parity as a Fundamental Symmetry Law of Nature, by V. G. Solov'yev, 4 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1, 1959, pp 159-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci

Nov 60

132, 177

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Review of the Principles of Registration Used in Multichannel Pulse-Height and Time Analyzers, by G. P. Gel'manov, 4 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 1, 1959, pp 179-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

132.160

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Vasiliy Stepanovich Miliyanchuk, by A. E. Glauberman, 2 pp.

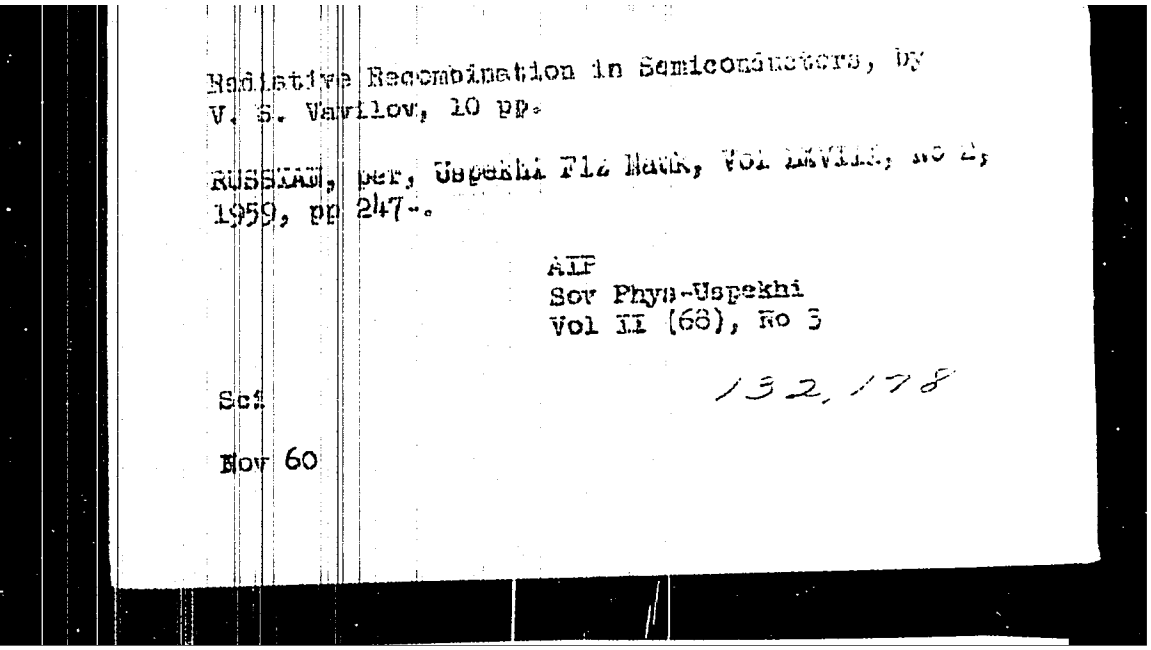
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 2, 1959, pp 197-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Radiative Recombination in Semiconductors, by
V. S. Vavilov, 10 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, no 2,
1959, pp 247-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

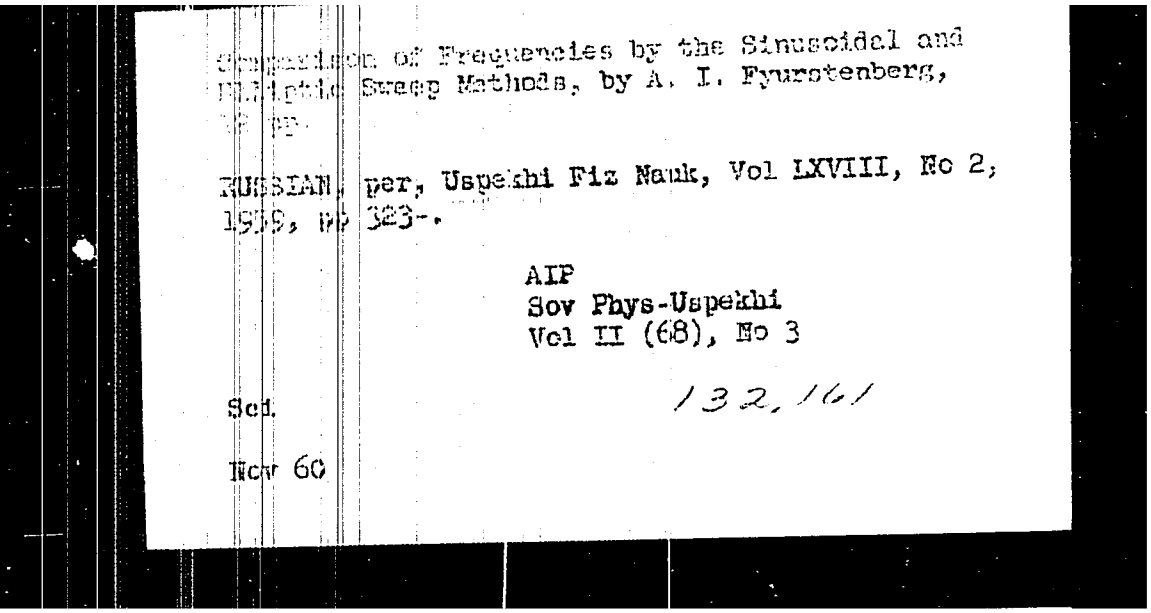
132,178

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Comparison of Frequencies by the Sinusoidal and Multiple Sweep Methods, by A. I. Fyurstenberg, [illegible] pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 2, 1959, pp 323-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

132,161

Sci.

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

New Books on Physics, by T. C. Preden-Kobetskaya,

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII. No 2, 1959, pp 359-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 3

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(DC-3696)

Lev Andreyevich Artsimovich, by A. I. Alikhanov, 4 pp.

RUSSIAN, per, Uspekh Fiz Nauk, No 2, 1959, pp 367-369.

JPRS 3846

USSR
Biog
Sep 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

The Structure of Nucleons, by D. I. Blokhintsev, V. S. Barashenkov, B. M. Barbashov, 21 pp.

RUSSIAN, per. Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 417-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci

Nov 60

132,162

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Ionization in Collisions Between Ions and Atoms, by N. V. Fedorenko, 21 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 481-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

S-138/60 (RT-3707)

Physical Investigations of Gases by Means of Shock Waves, by R. I. Soloukhin, 26 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, No 3, 1960, pp 513-528.

JPRS 5021

Sci - Phys

Aug 60

121,735

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Wolfgang Pauli, by L. D. Landau, 2 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 557-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Problems on Semiconductors, by E. V. Shpol'skiy, 1 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 5[illegible]-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Beta Decay and the Weak Interactions, by Ya. A. Smorodinskiy, 7 pp.

RUSSIAN, per; Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 653-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Bet

Nov 60

132, 157

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

The Theory of Hypernuclei, by D. D. Ivanenko, V. A. Lyul'ka, V. A. Filimonov, 16 pp.

[illegible], ter, Uspekhi Fiz Nauk, Vol LXVIII, No 3, 1959, pp 663-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci

Nov 60

132, 15-8

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

The Origin of the Chemical Elements, by D. A. Frank-Kamenetskiy, 20 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 4, 1959, pp 529-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci

Nov 60

132.15-9

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Mikhail Fedorovich Spasskii-Eminent Russian Physicist and Meteorologist of the 19th Century, by A. F. Konenkov, 4 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 4, 1959, pp 731-.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci

Nov 60

Nikolay Vladimirovich Kashin, by I. I. Sokolov,

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Transformations of Atomic Nuclei, by D. A. Frank-Kamenetskiy, 1 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 4, 1959, pp 787.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

New Books on Physics, by T. O. Vreden-Kobetskaya, 1 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 4, 1959, pp 738.

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Correction to Review "Fourth All-Union Acoustic Conference," by B. D. Tartakovskiy,

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXVIII, No 4, 1959, pp 747-/

AIP
Sov Phys-Uspekhi
Vol II (68), No 4

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Absorption Spectroscopy of Dispersed Materials,
by G. V. Rozenberg, 33 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 3,
1959, pp 57-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

Sci

Nov 60

132, 149

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Contemporary Semiconductor Physics, by V. S. Vavilov, 14 pp.

RUSSIAN, per, Usnekhi Fiz Nauk, Vol LXIX, No 1, 1959, pp 149-156.

SLA 60-14079

Sci

OTS, Vol III, No 6

Sep 60

126,934

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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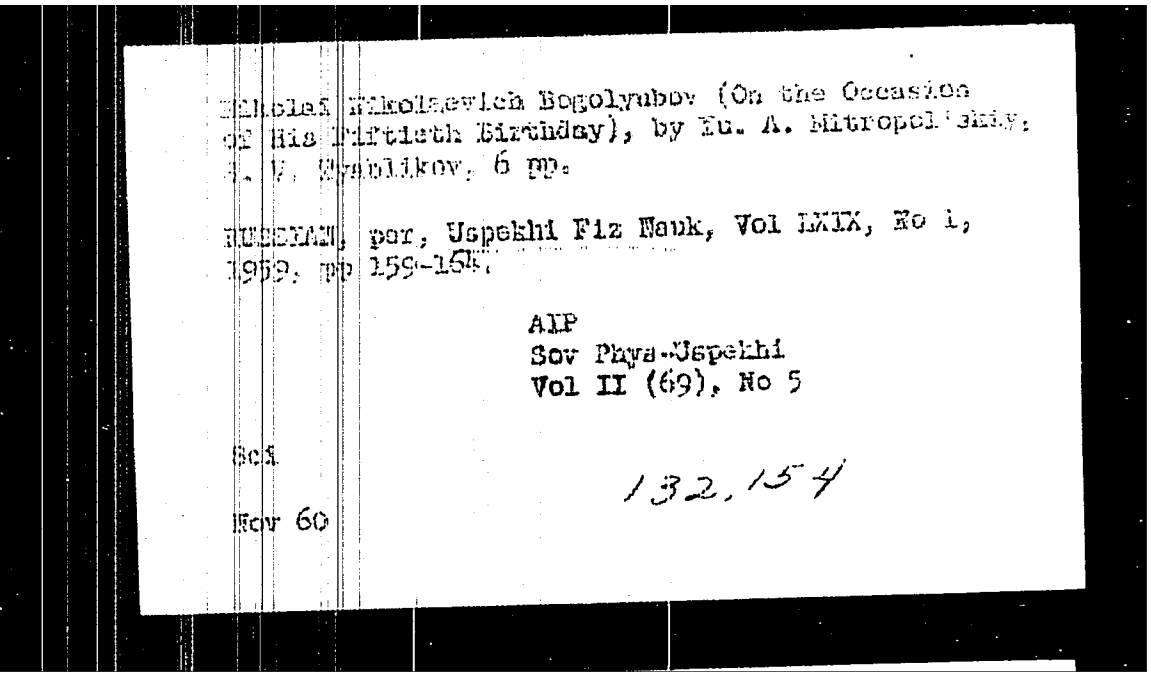


Nikolaĭ Nikolaevich Bogolyubov (On the Occasion
of His Fiftieth Birthday), by Ye. A. Mitropol'skiy,
A. V. Zyablikov, 6 pp.

RUSSIAN, por, Uspekhi Fiz Nauk, Vol LXIX, No 1,
1959, pp 159-164.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

Sci

Nov 60

132,154

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Sergei Eduardovich Frish (On His 60th Birthday).
I. F. Bogdanova, O. P. Bochkova, A. N. Zaidel',
V. M. Zalmanova, Yu. M. Kagan, E. I. Kaliteevskiy,
N. P. Penkin, M. F. Chaika, A. M. Shukhtin, L. V.
Lipis, 3 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 1,
1959, pp 165-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

132,155

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Nuclear Quadrupole Resonance, by V. S. Grechishkin;
20 pp.

Uspekhi, per; Uspekhi Fiz Nauk, Vol LXIX, No 2,
1959, pp 189-

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

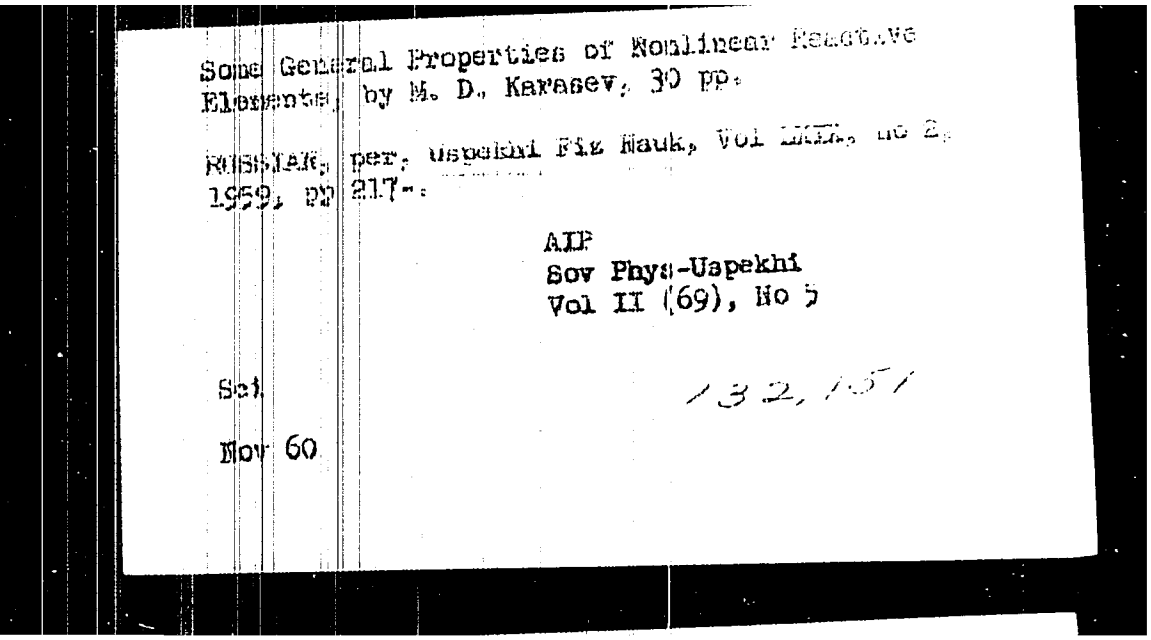
Sci

Nov 60

132, 150

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Some General Properties of Nonlinear Reactive Elements, by M. D. Karasev, 30 pp.

RUSSIAN, per: Uspekhi Fiz Nauk, Vol LXIX, no 2, 1959, pp 217-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

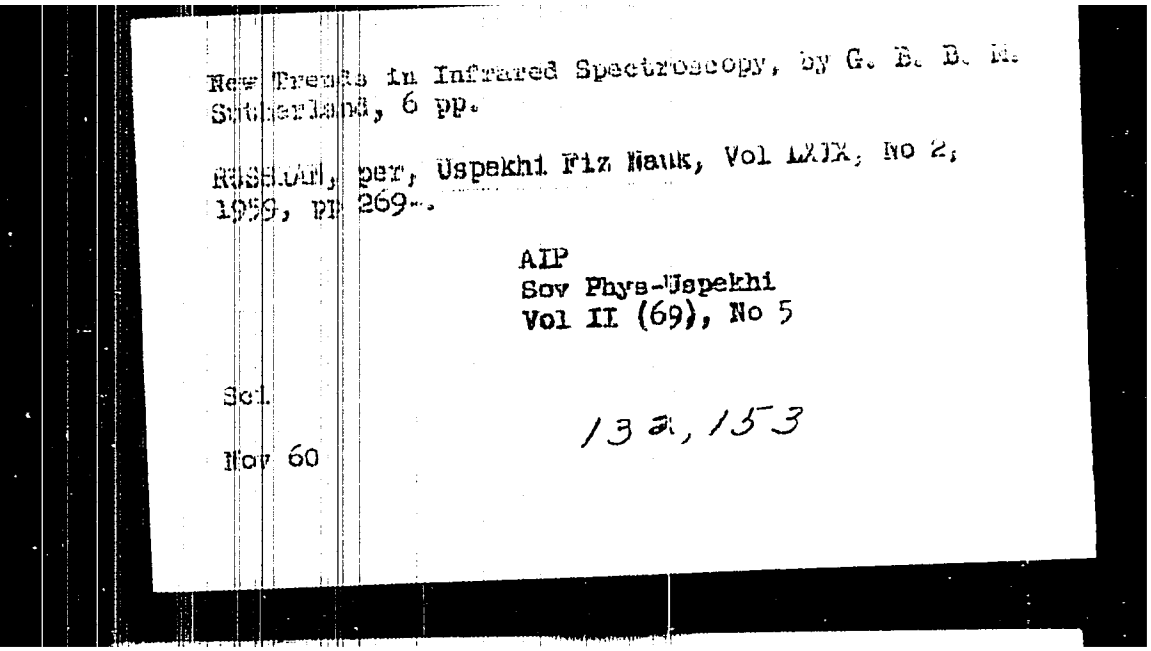
132,157

Sel

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



New Trends in Infrared Spectroscopy, by G. B. B. M. Sutherland, 6 pp.

RZhKhim, per, Uspekhi Fiz Nauk, Vol LXIX, No 2, 1959, pp 269-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

Sol

Nov 60

132, 153

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Developments in Our Concepts of Diffraction Phenomena (On the 130th Anniversary of the Death of Thomas Young), by G. D. Malyuzhinets, 10 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIA, No 2, 1959, pp 321-.

AKP
Sov Phys-Uspekhi
Vol II (69), No 5

132,152

Sol

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Elementary Nuclear Theory, H. Bethe, P. Morrison,
by V. M. Lopukhin, 3 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 2,
1959, pp 385-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 5

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

New Books on Physics, by T. O. Vreden-Kobetskaya.

RUSSIAN, per: Uspekhi Fiz Nauk, Vol LXIX, No 2, 1959, pp 335.

AIP
Sov Phys-Uspekhi
Vol II (59), No 5

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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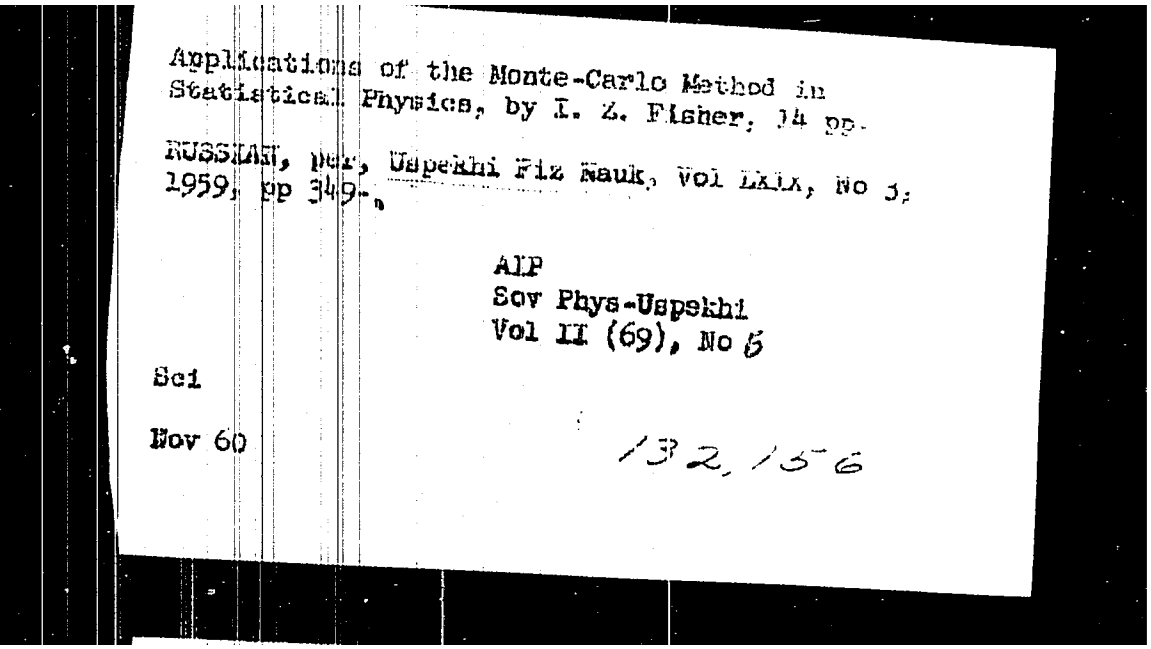


Applications of the Monte-Carlo Method in Statistical Physics, by I. Z. Fisher, 14 pp.

RUSSIAN, Per, Uspekhi Fiz Nauk, Vol LXIX, No 3, 1959, pp 349-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

Sci

Nov 60

132,136

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Intramolecular Interactions in Polymer Chains,
by O. B. Ptitsyn, 34 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 3,
1959, pp 371-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

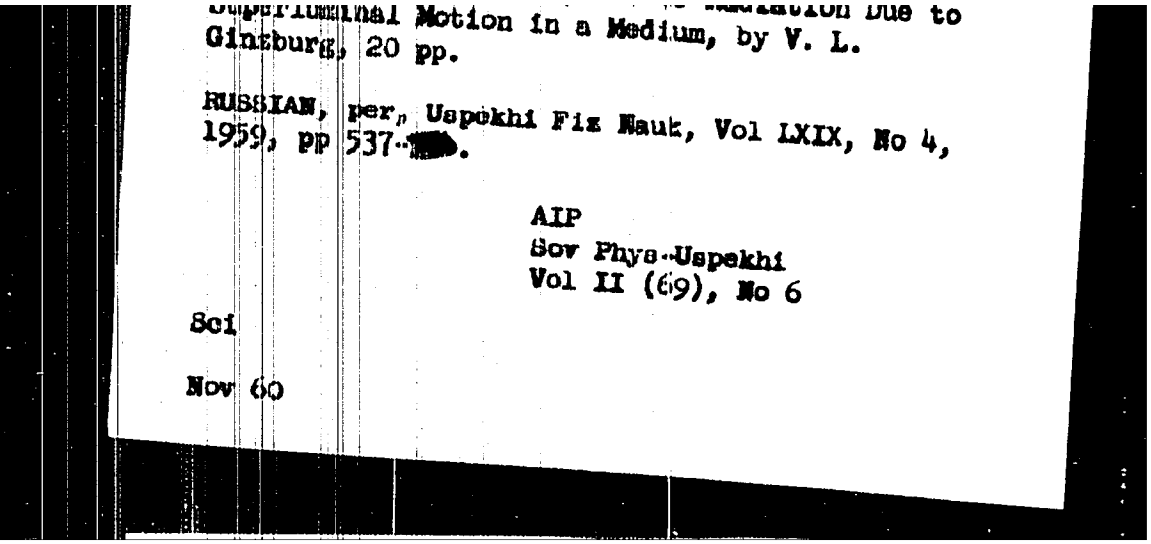
Sci

Nov 60

Some Problems of the Electron Theory of

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



...Motion in a Medium, by V. L. Ginzburg, 20 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 537-[redacted].

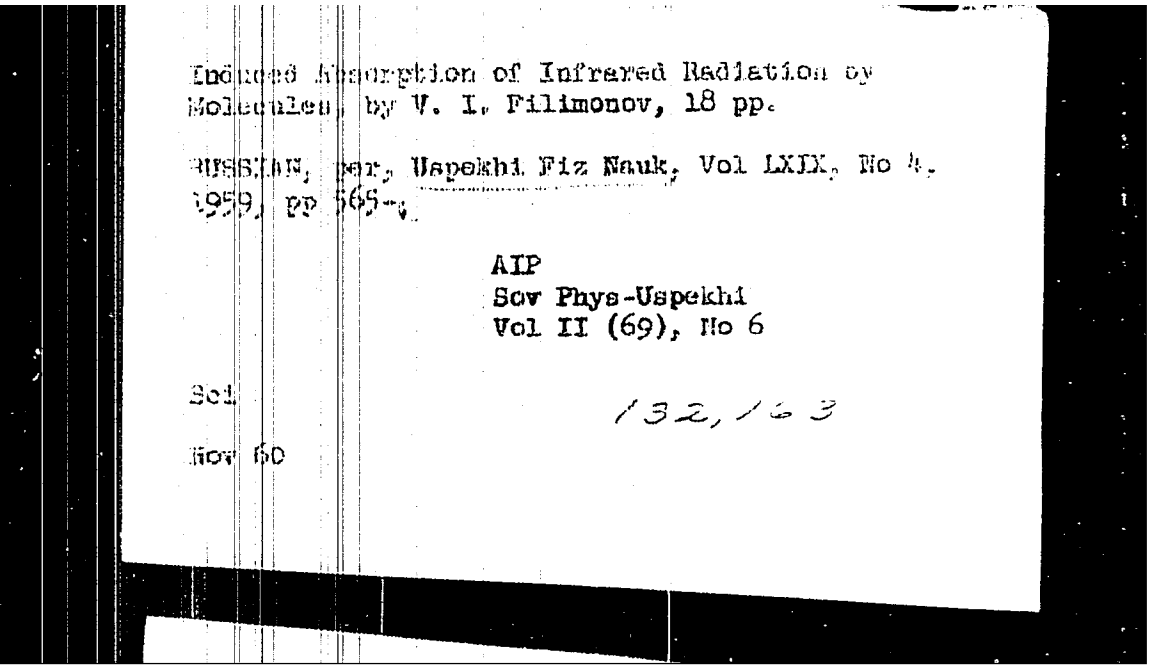
AIP
Sov Phys-Uspekhi
Vol II (69), No 6

Sci

Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Induced Absorption of Infrared Radiation by Molecules, by V. I. Filimonov, 18 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 565-[illegible].

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

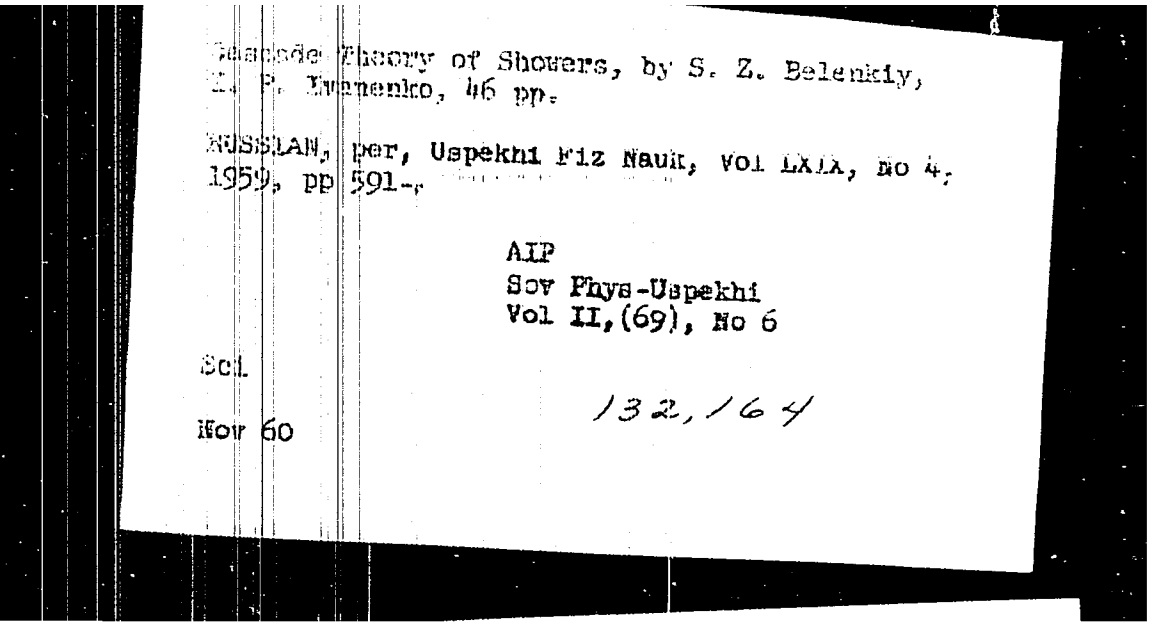
Sol

Nov 60

132,163

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Cascade Theory of Showers, by S. Z. Belenkiy, I. P. Ivanenko, 46 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 591-

AIP
Sov Phys-Uspekhi
Vol II,(69), No 6

Sci

Nov 60

132,164

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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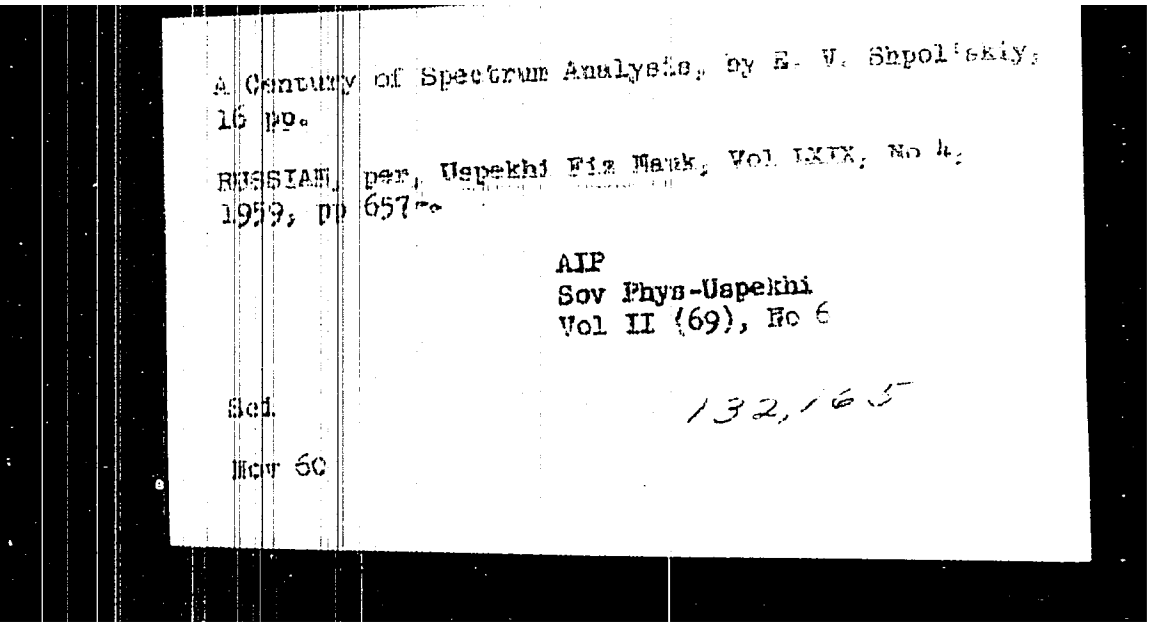


A Century of Spectrum Analysis, by E. V. Shpol'skiy; 16 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 657-6

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

132,165

Sel.

Mar 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

International Cosmic Ray Conference, by M. A. Dobrotin, 13 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 679-692.

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

Sol

Nov 60

132,166

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

J. V. Jelley, "Cerenkov Radiation and Its Applications," by B. M. Bolotovskiy, E. M. Leikin. 11 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXII, No 4, 1959, pp 693-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

New Books on Physics, by T. O. Vreden-Kobetskaya.

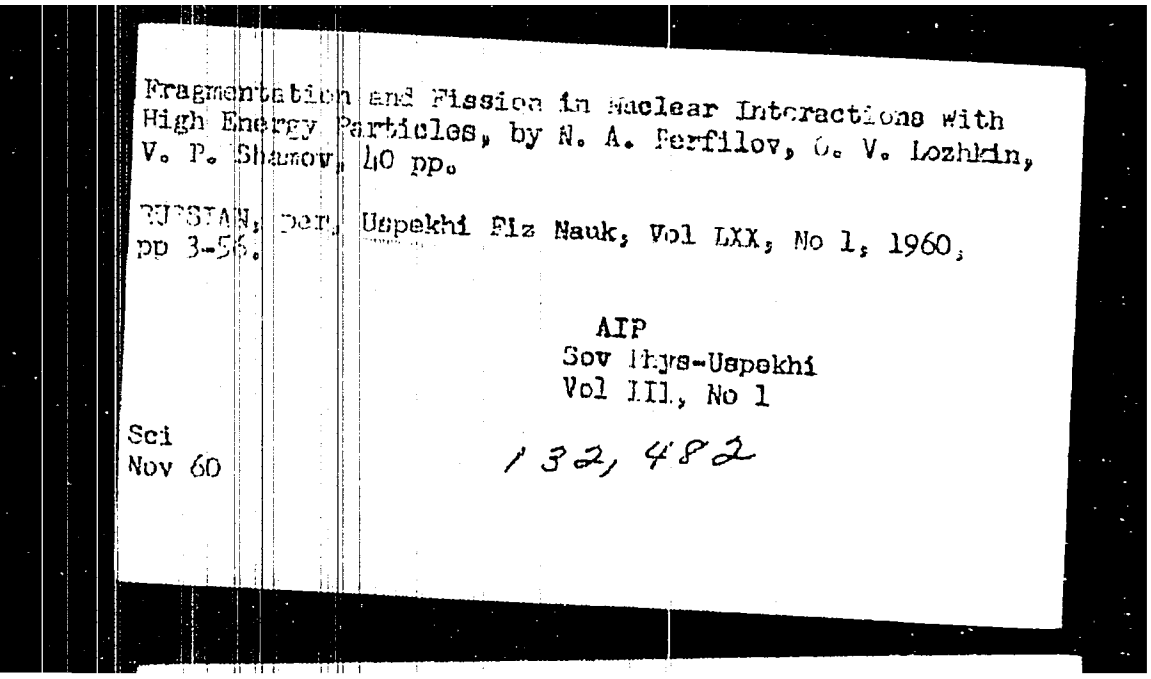
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXIX, No 4, 1959, pp 703-.

AIP
Sov Phys-Uspekhi
Vol II (69), No 6

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Fragmentation and Fission in Nuclear Interactions with High Energy Particles, by N. A. Perfilov, O. V. Lozhkin, V. P. Shamov, 40 pp.

[illegible]STAN, per. Uspekhi Fiz Nauk, Vol LXX, No 1, 1960, pp 3-56.

AIP
Sov Phys-Uspekhi
Vol III, No 1

Sci
Nov 60

132, 482

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Physics of the Strength of Crystalline Materials, by
V. I. Obreimov, I. V. Gindin, 36 pp

[illegible], part, Uspekhi Fiz Nauk, Vol LXX, No 1, 1960,
pp 97-110.

AIP
Sov Phys - Uspekhi
Vol III, No 1

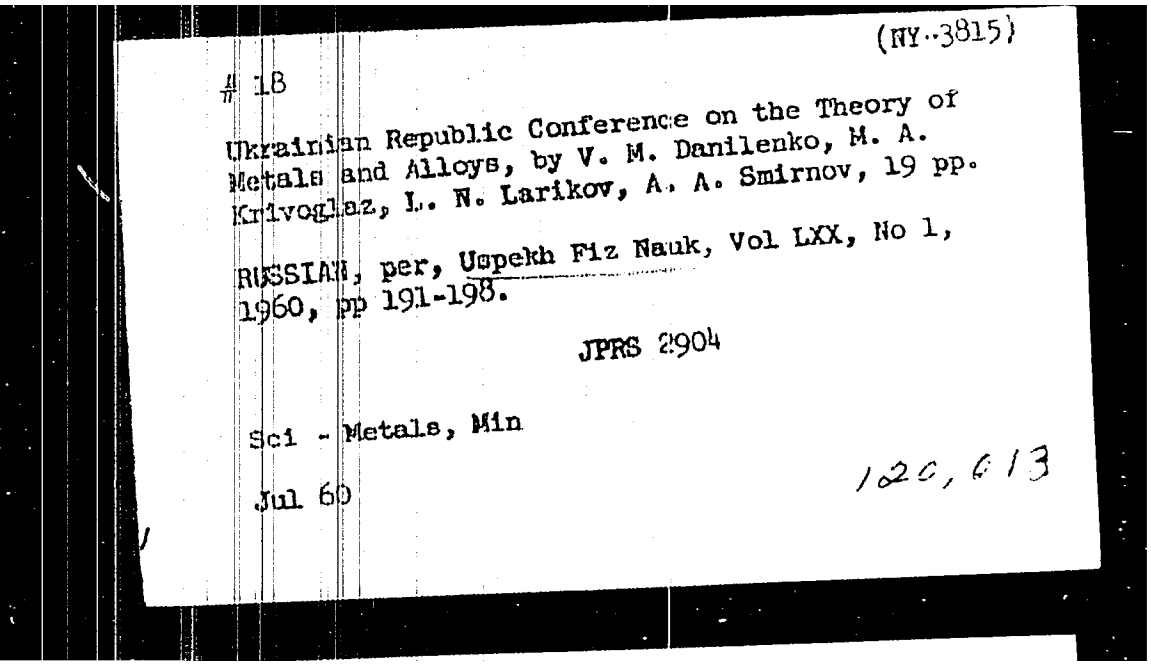
Sci
Nov 60

132, 483

(NY-3815)

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



(NY-3815)

18

Ukrainian Republic Conference on the Theory of Metals and Alloys, by V. M. Danilenko, M. A. Krivoglaz, L. N. Larikov, A. A. Smirnov, 19 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXX, No 1, 1960, pp 191-198.

JPRS 2904

Sci - Metals, Min

Jul 60

120, 613

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Nonlinear [illegible]omena in a Plasma Located in an Alternating Electromagnetic Field, by V. L. Ginsburg, A. V. [illegible]arevich, 31 pp.

RUSSIAN, [illegible] Uspekhi Fiz Nauk, Vol LXX, No 1, 1960, pp 201-270.

AIP
Sov Phys-Uspekhi
Vol III, No 1

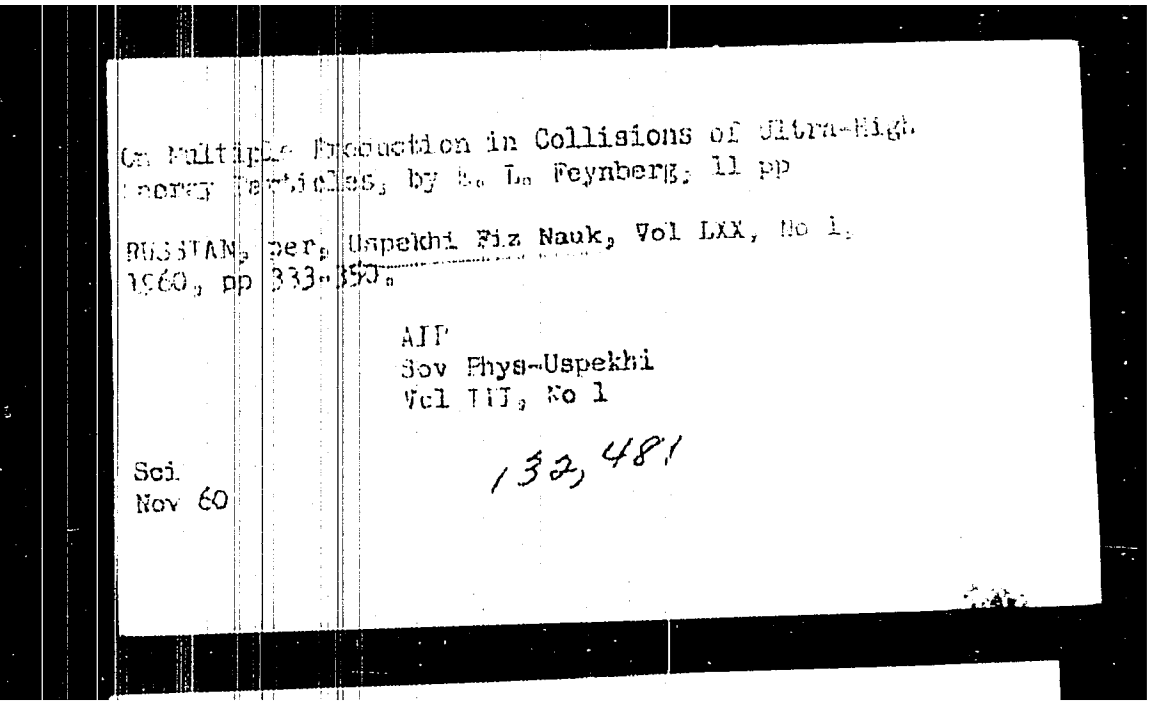
132, 480

[illegible]ci
Nov 6[illegible]

The Spectra of Systems of Interacting Particles [illegible] Losses During Passage of Charged

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



On Multiple Production in Collisions of Ultra-High Energy Particles, by S. Z. Feynberg, 11 pp

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 1, 1960, pp 333-350.

AIP
Sov Phys-Uspekhi
Vol III, No 1

132, 481

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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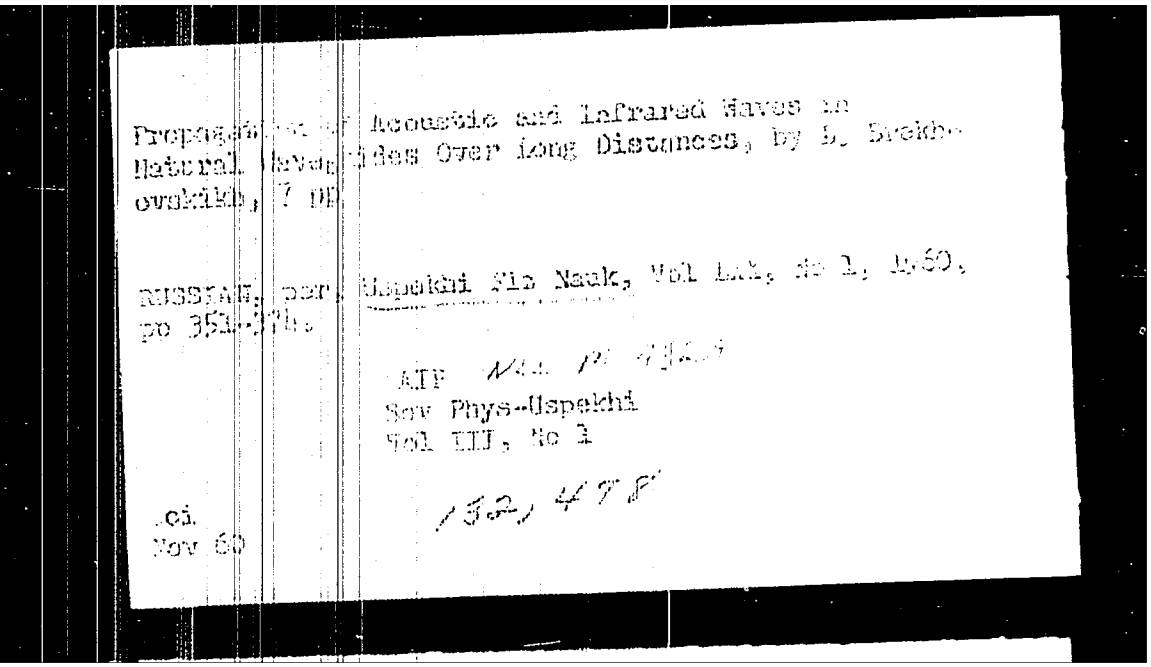


Propagation of Acoustic and Infrared Waves in Natural Waveguides Over Long Distances, by L. Brekhovskikh, 7 DE

RUSSIAN, per. Uspekhi Fiz Nauk, Vol LXX, No 3, 1960, pp 353-379.

AIP
Sov Phys--Uspekhi
Vol III, No 3

132, 478

ei
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Some Lecture Demonstrations for a Physics Course,
by N. N. Malov, N. P. Orlova, N. E. Selivanenko,
I. I. Fedotov, 2 pp.

RUSSIAN, per. Uspekhi Fiz Nauk, Vol LXX, No 1, 1960.
pp 373-376.

AIP
Sov Phys-Uspekhi
Vol III, No 1

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Demonstration of Chain Reaction With a Model, by S. N. Sokolov, L. N. Erastov, 2 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 1, 1960, pp 371, 376.

AIP
Sov Phys-Uspekhi
Vol III, No 1

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Lecture Experiment on Determination of the Specific Heat of a Gas at Constant Pressure, by S. N. Sokolov, L. N. Erastov, 2 pp.

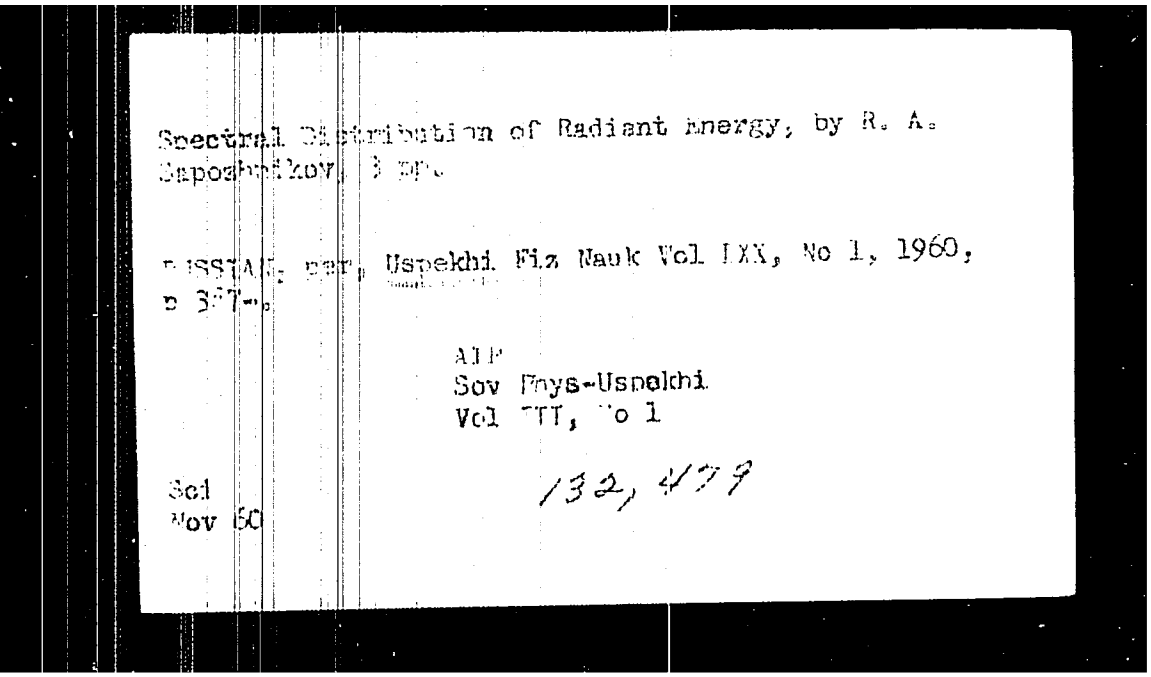
RUSSIAN, per, Uspekhi Fiz Nauk, Vol LIII, No 1, 1960, pp 379, 380.

AIP
Sov Phys-Uspekhi
Vol III, No 1

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Spectral Distribution of Radiant Energy, by R. A. Zaposhnikov, 3 pp.

[illegible], per. Uspekhi Fiz Nauk Vol LXX, No 1, 1960, p 3[illegible]-[illegible].

AIP
Sov Phys-Uspekhi
Vol III, No 1

132, 479

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Propagation of Sonic and Infrasonic Waves in Natural Waveguides Over Long Distances, by L. Brekhovskikh.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 2, pp 351-360. 9078115.

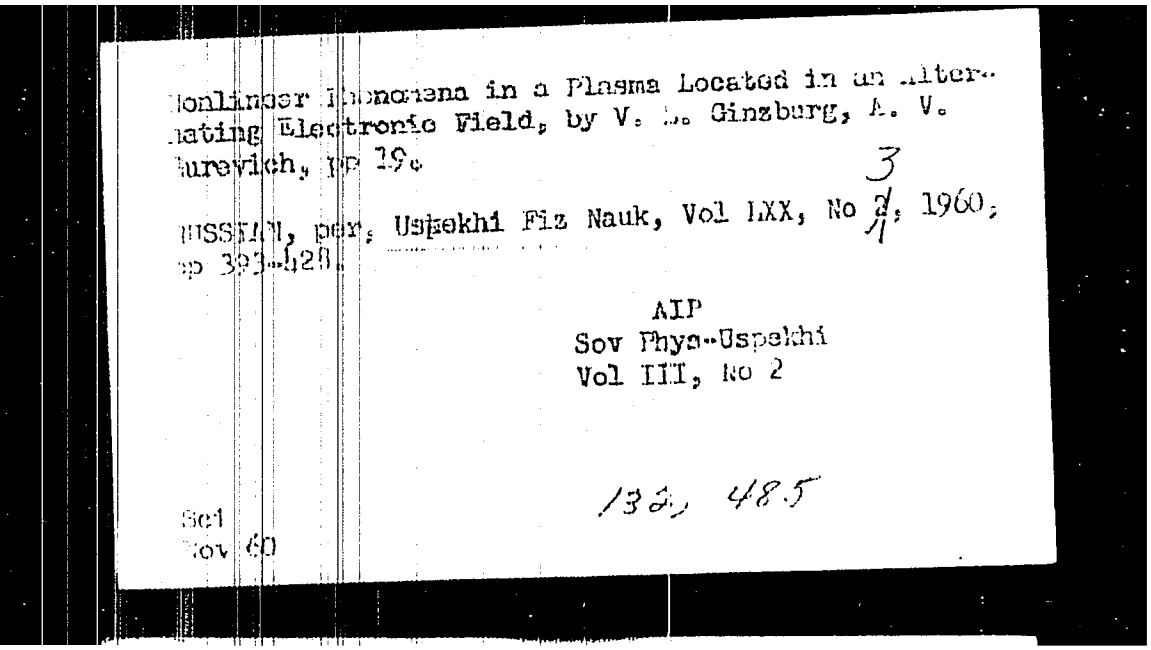
D8I-698

Sci - Phys
Aug 61
CIA/FDD Z-814

162,723

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Nonlinear Phenomena in a Plasma Located in an Alternating Electronic Field, by V. L. Ginzburg, A. V. Gurevich, pp 29-

3

RUSSIAN, per; Uspekhi Fiz Nauk, Vol LXX, No 1, 1960; pp 393-428.

AIP
Sov Phys-Uspekhi
Vol III, No 2

132, 48.5

Sel
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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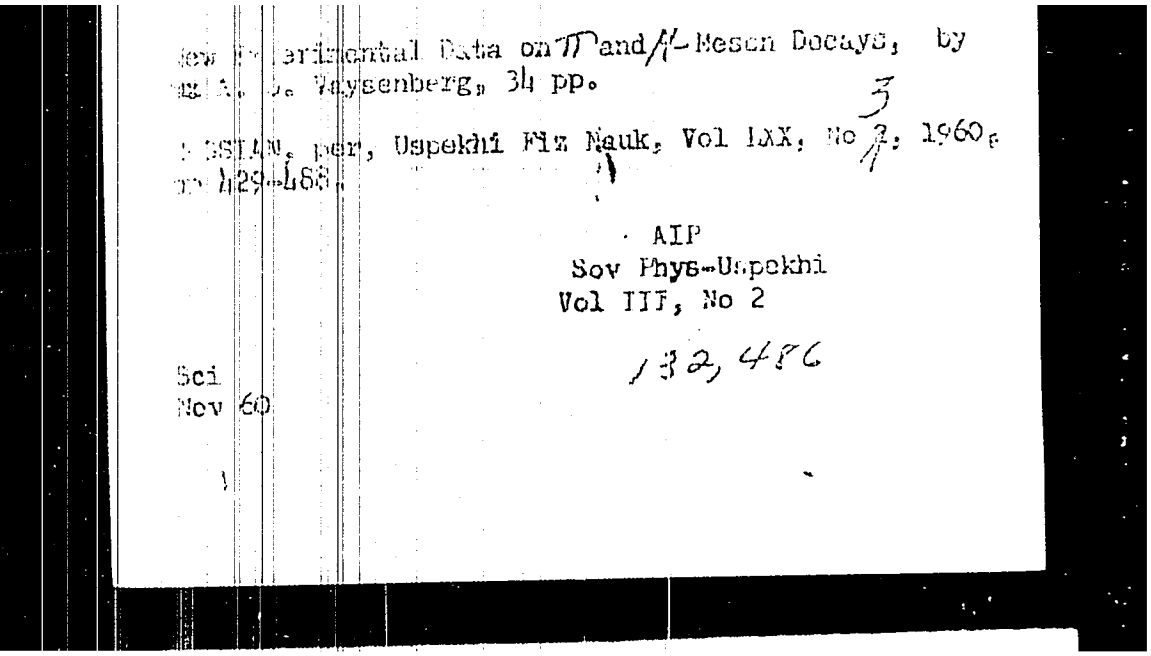

New Experimental Data on π and K Meson Decays, by
[illegible] Ye. Vaysenberg, 34 pp.

3

[illegible]SIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 2, 1960,
pp 329-368.

AIP
Sov Phys-Uspekhi
Vol III, No 2

132, 486

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Investigations of Cosmic Rays and Terrestrial Corpuscular Radiation During the Flights of Rockets and Satellites, by S. N. Vernov, A. [illegible] Ye. Chudakov, [illegible]

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 4, 1960, pp 585-619.

[illegible]
OTS PB 131632-126

122,441

Sci - Geophys, Space Res
Aug 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Conversion of Thermal Energy Into Electricity With the Aid of Thermoelectric Emission, by N. D. Morgulis, 12 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 4, 1960, pp 679-692.

AIP
Sov Phys-Uspekhi
Vol III, No 2

132, 488

Sci
Nov 60

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Conference on the Physics of Alkali-Halide Crystals.
By F. Lehfeldt, Ch. Lushchik, 4 pp

RUSSIAN, per: Uspekhi Fiz Nauk, Vol LXX, No 4, 1960,
pp 733-738.

AIP
Sov Phys - Uspekhi
Vol III, No 2

Sci
Nov 60

132, 492

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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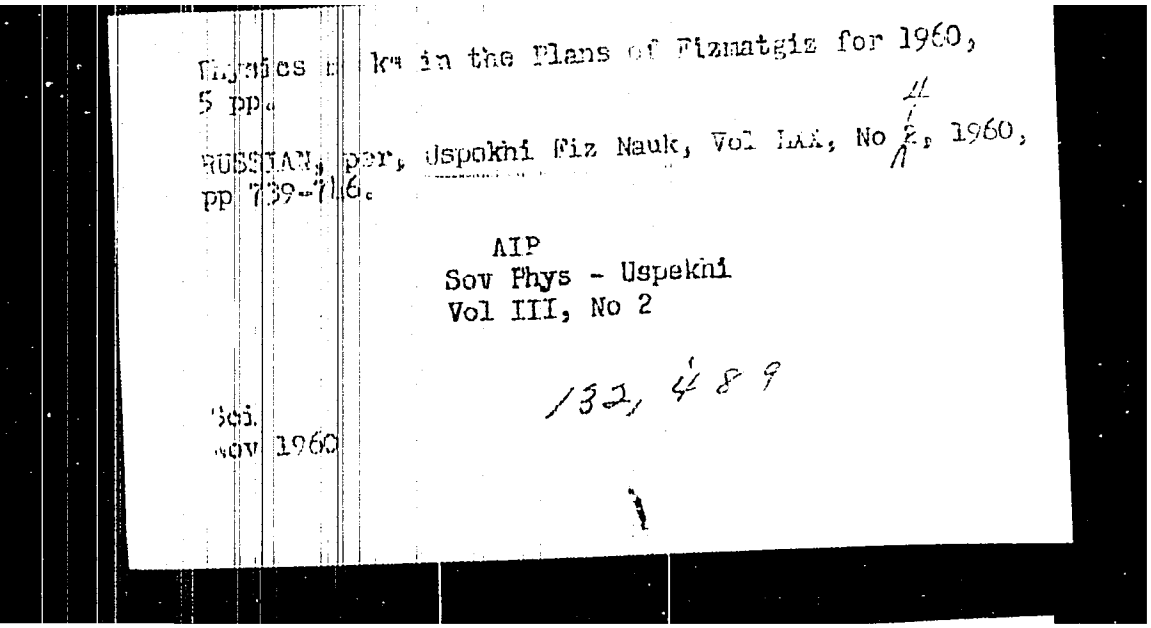


Physics [illegible]k" in the Plans of Fizmatgiz for 1960,
5 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXX, No 2, 1960,
pp 739-746.

AIP
Sov Phys - Uspekhi
Vol III, No 2

132, 489

Sci.
Nov 1960

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

The Overhauser Effect and Related Phenomena, by G. R. Khutsishvili, 35 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1, 1960, pp 9--.

Amer Inst of Phys
Sov Phys-Uspekhi
Vol III, No 3

Sci - Phys

Feb 61

137, 239

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Double-Time Green Functions in Statistical Physics,
by D. N. Zubarev, 26 pp.

RUSSIAN, par, Uspekh Fiz Nauk, Vol LXXI, No 1, 1960,
pp 71-.

AIP
Sov Phys-Uspekhi
Vol III, No 3

Sci - Phys

Feb 61

139,240

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(NY-5374)

Third Conference on the Theory of Semiconductors, by A. Ye. Chmuberman, I. V. Smasyuk, 53 pp.

RUSSIAN, per: Uspekh Fiz Nauk, Vol LXXI, No 1, May 1960, pp 117-130.

JPRS 7361

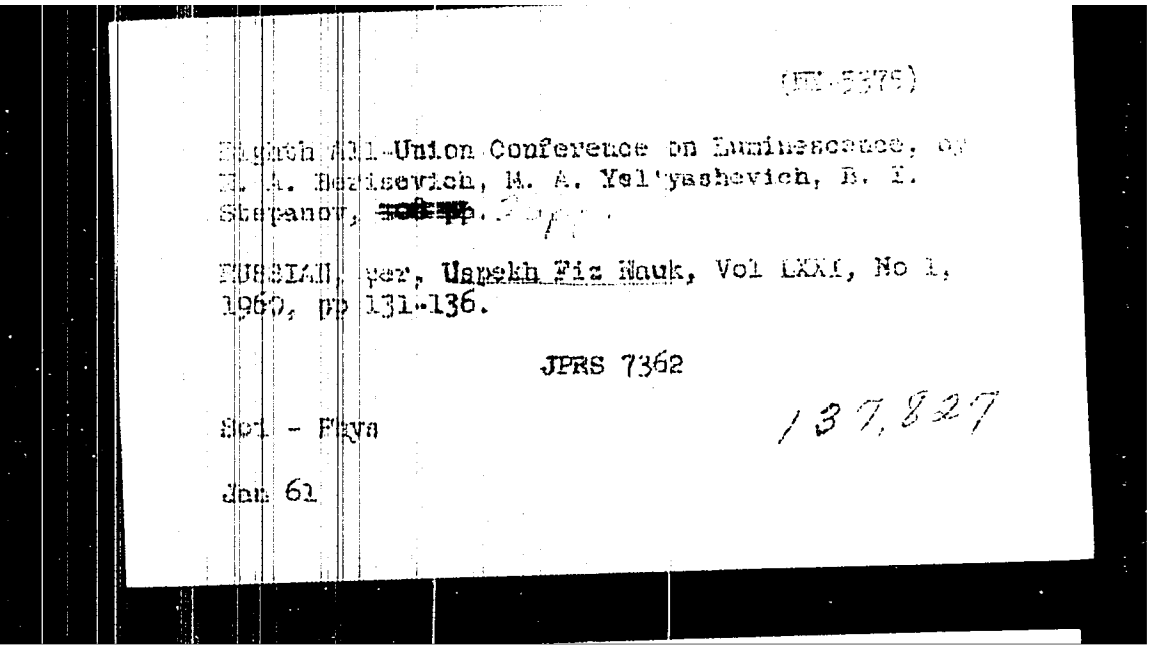
Sci - Phys

Jan 61

138,705

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



(FL-5376)

Eighth All-Union Conference on Luminescence, by
M. A. Bezhsevich, M. A. Vel'yashevich, B. I.
Stepanov, [illegible] pp.

[illegible]ya, per, Uspekh Fiz Nauk, Vol LXXI, No 1,
1960, pp 131-136.

JPRS 7362

137,827

Sov - Fizya

Jan 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(NY-5375)

Intramolecular Transfer of Energy by Triplet Levels, by V. L. Ermolayev, A. N. Terenin, 14 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXI, No 1, May 1960, pp 137-141.

JPRS 7362

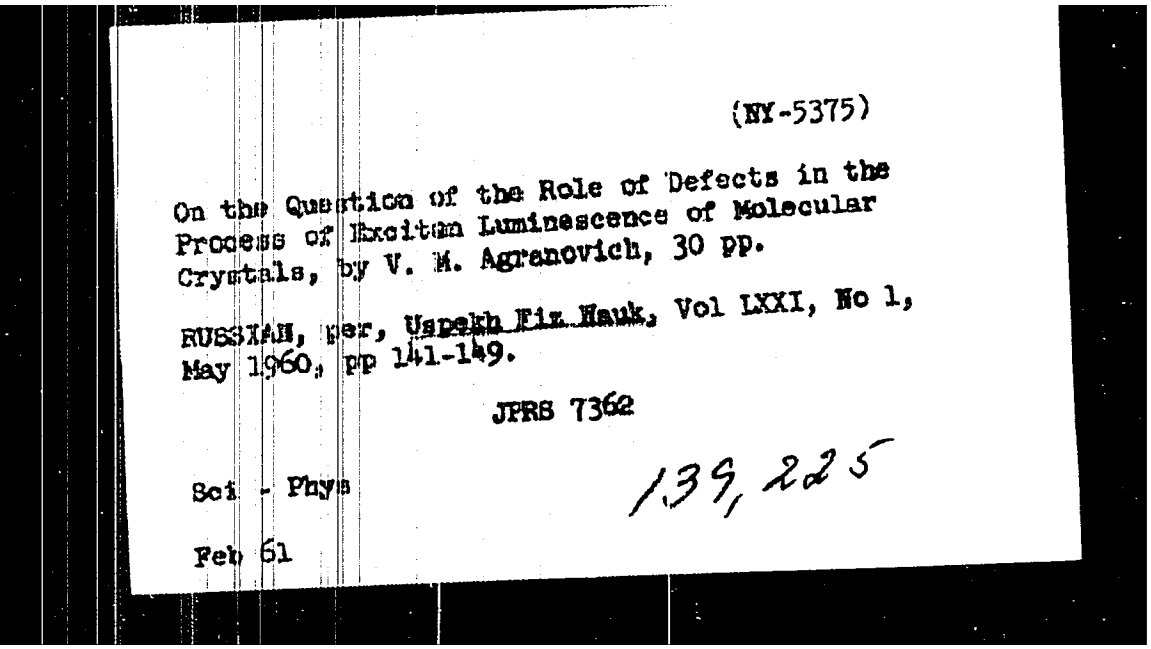
Sci - Phys

Feb 61

139,224

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



(NY-5375)

On the Question of the Role of Defects in the Process of Exciton Luminescence of Molecular Crystals, by V. M. Agranovich, 30 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1, May 1960, pp 141-149.

JPRS 7362

139,225

Sci - Phys

Feb 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(NY-5375)

Chemiluminescence of Chlorophyll During Chemical Reactions, by F. F. Litvin, Yu. A. Vladimirov, A. A. Krasnovskiy, 22 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1, May 1960, pp 149-156.

JPRS 7362

Sci - Phys

Feb 61

139, 224

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(NY-5375)

On the Interactions of Electron and Oscillatory Movements in Complex Molecules, by M. A. Yel'yashevich, 16 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1, May 1960, pp 155-160.

JPRS 7162

139,227

Sci - Phys

Feb 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Sergei Tikhonovich (On his Seventieth Birthday),
by G. S. Zhdanov, 5 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1,
1960, pp 161-.

AIP
Sov Phys-Uspekhi
Vol III, No 3

USSR

Biog

Feb 61

139, 24/

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

A Classical Book on the Theory of Nonlinear Vibrations, by M. A. Aizerman, 4 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 1, 1960, pp 167-
167=,

AIP
Sov Phys-Uspekhi
Vol III, No 3

Sci - Phys

Feb 61

139,246

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Light Scattering in the Earth's Atmosphere, by G. V. Rozenberg, 26 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 2, 1960, pp 273-.

AIP
Sov Phys-Uspekhi
Vol III, No 2

Sci - Phys

Feb 61

139, 241

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Line Fluorescence Spectra of Organic Compounds and Their Applications, by E. V. Shpol'skiy, 18 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXI, No 2, 1960, pp 215-.

AIP
Sov Phys-Uspekhi
Vol III, No 3

Sci - Phys

Feb 61

139, 242

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

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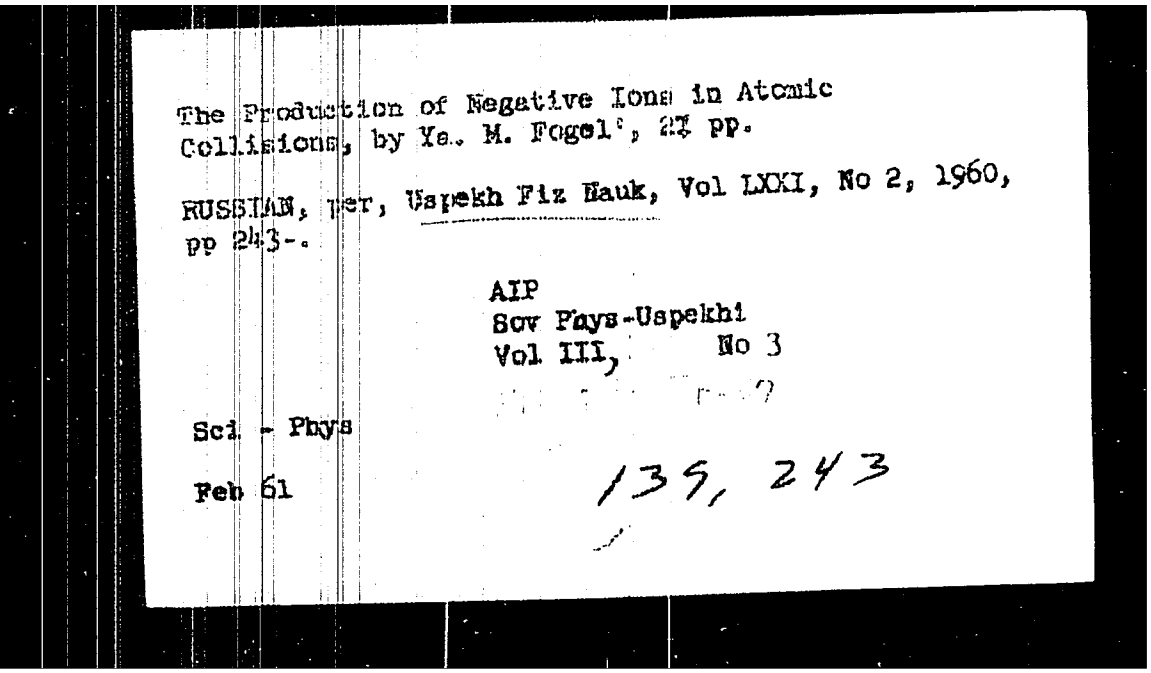


The Production of Negative Ions in Atomic Collisions, by Ya. M. Fogel', 27 pp.

RUSSIAN, Ter, Uspekh Fiz Nauk, Vol LXXI, No 2, 1960, pp 243-.

AIP
Sov Phys-Uspekhi
Vol III, No 3

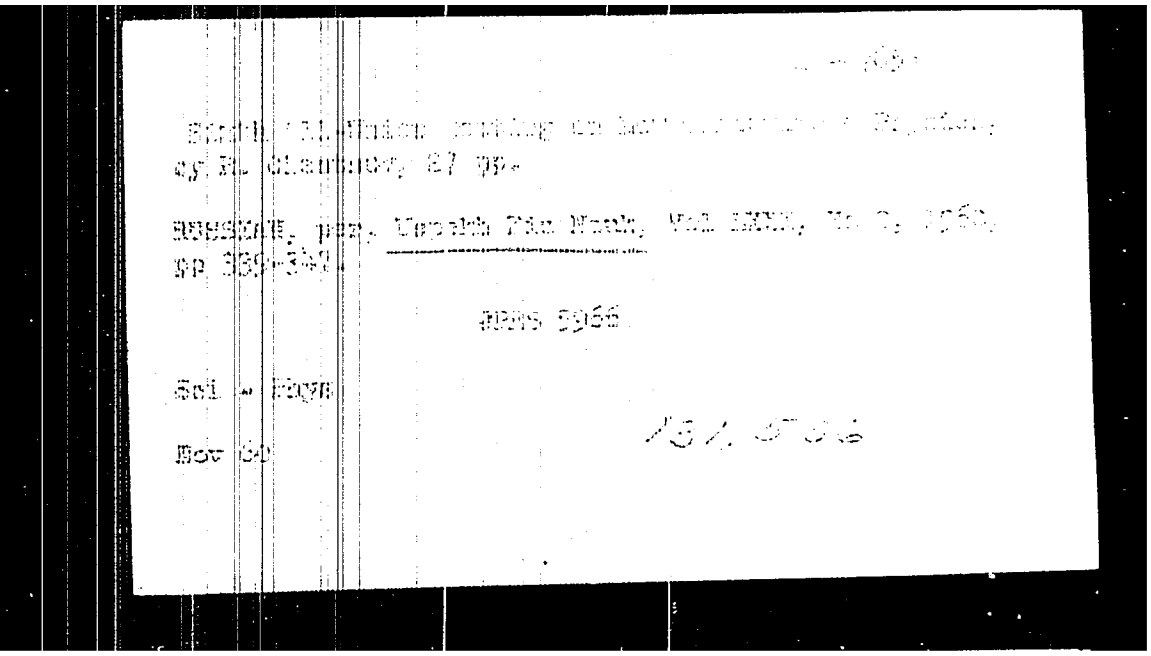
Sci - Phys

Feb 61

135, 243

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



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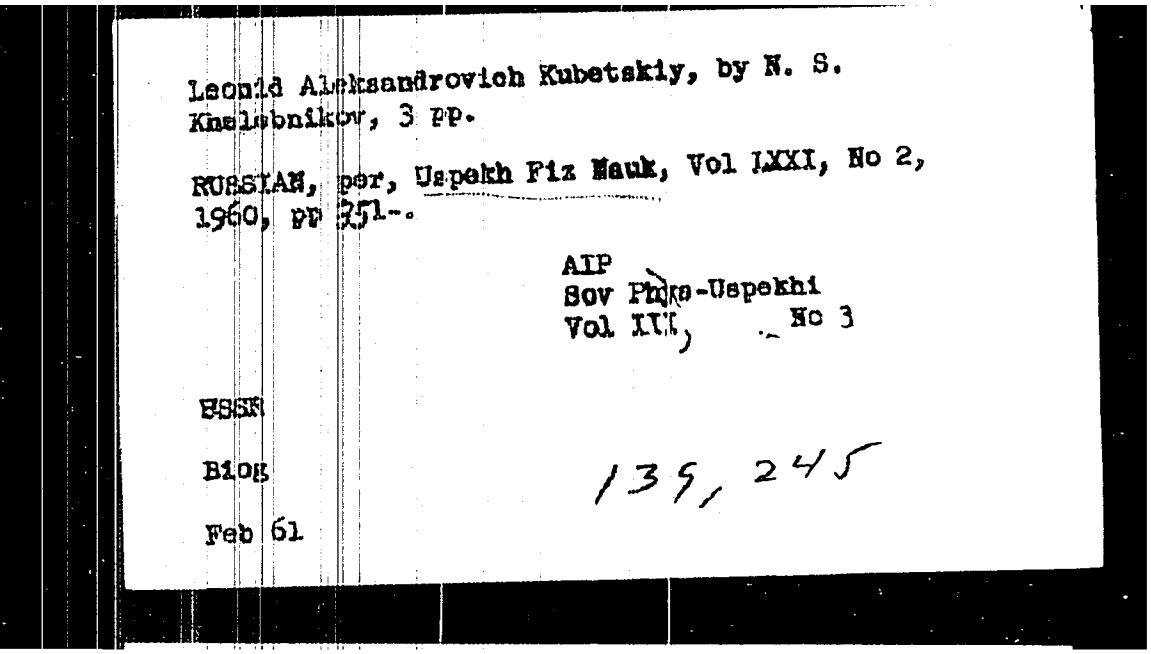


Leonid Aleksandrovich Kubetskiy, by N. S. Khlebnikov, 3 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, No 2, 1960, pp 351-.

AIP
Sov Phys-Uspekhi
Vol III, No 3

USSR

Biog

Feb 61

139, 245

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Investigation of the Ionosphere and of the Interplanetary Gas With the Aid of Artificial Satellites and Space Rockets, by Ya. L. Al'pert, 25 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 369-409.

Soviet Phys - Uspekh
Vol III, No 4

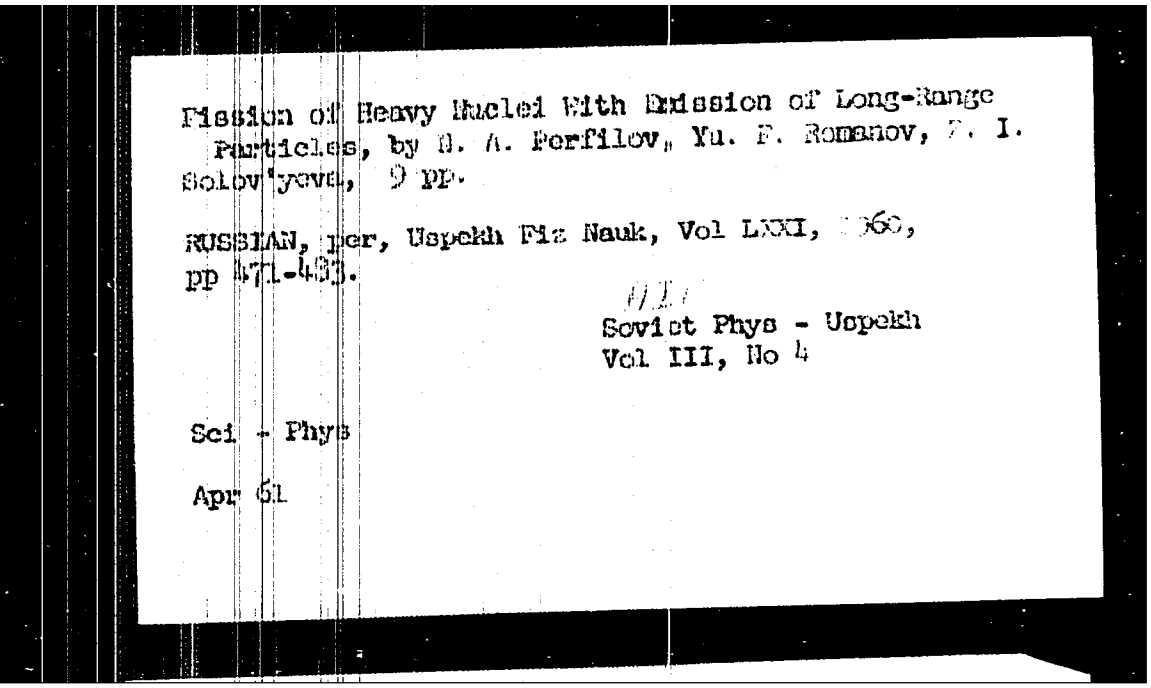
Sci - Space Research

Apr 61

Present Status of the Question of the Origin of

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Fission of Heavy Nuclei With Emission of Long-Range Particles, by N. A. Perfilov, Yu. F. Romanov, V. I. Solov'yeva, 9 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 471-483.

Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Group-Theoretical Methods in the Quantum Physics of Solids (Spatial Symmetry), by A. V. Sokolov, V. P. Shirokovskiy, 16 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 485-513.

Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

Nikolay Nikolayevich Andreyev (on his eightieth birthday), by L. A. Chernov, 4 pp.

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Spin Waves in Ferromagnets and Antiferromagnets. I.,
by A. I. Akhyezer, V. G. Bar'yakhtar, M. I. Kaganov,
26 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960,
pp 533-579.

Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Nuclear Reactions in Cold Hydrogen. I. Mesonic Catalysis, by Ya. B. Zel'dovich, S. S. Gershtein, 31 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 581-630.

Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Electric Breakdown of Gases at Pressures Close to Atmospheric Pressure, by I. S. Marshak, 23 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 631-675.

Soviet Phys - Uspekh
Vol III, No 4

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Georgiy Ivanovich Skanavi, by B. N. Vul, E. A. Konorova, A. I. Demeshina, 3 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXI, 1960, pp 681-685.

Soviet Phys - Uspekh
Vol III, No 4

USSR

Biog

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Strong Magnetic Fields, by G. M. Strakhovskiy, N. V. Krestnov, 31 pp. UNCL

RUSSIAN, per, Uspekh Fiz Nauk, No 4, 1960, pp 693-714.

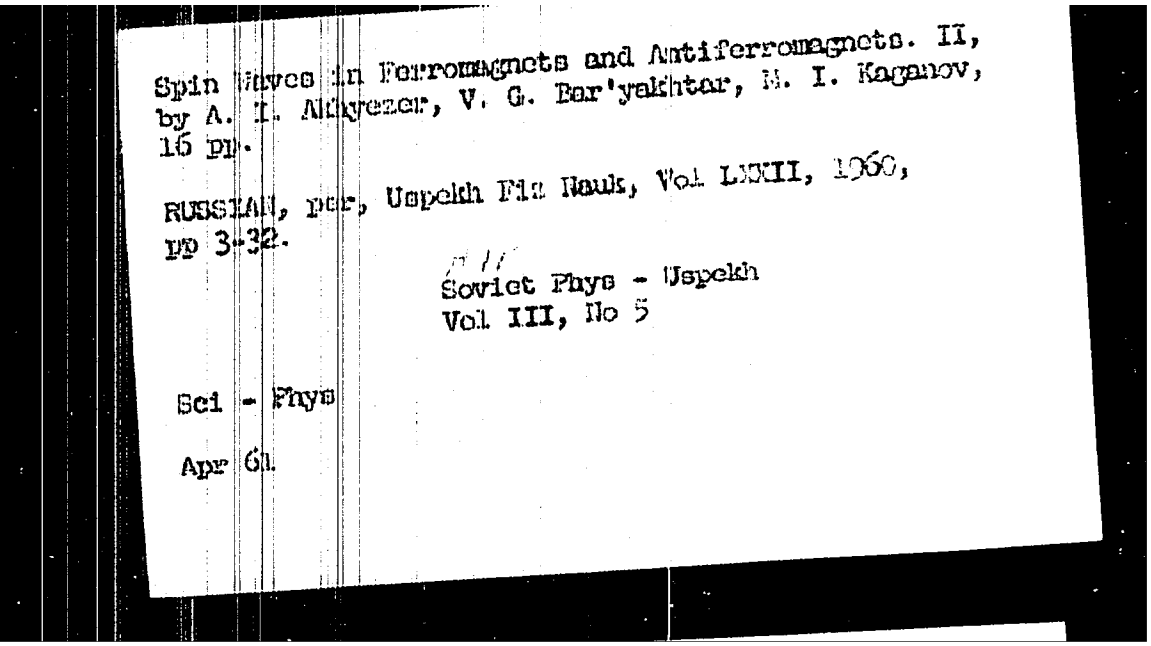
AGSI H-8454
ID 2162093

Bel - Phys
Mar 61

141, 245

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5



Spin Waves in Ferromagnets and Antiferromagnets. II,
by A. I. Akhiezer, V. G. Bar'yakhtar, M. I. Kaganov,
16 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960,
pp 3-32.

Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Shock Waves in Magnetohydrodynamics, by A. V. Polovin,
12 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960,
pp 33-52.

Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

Interaction Cross Sections of High-Energy Particles,

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Low-Voltage Halogen Counters (Mechanism of Discharge), by V. V. Vishnyakov, T'ang Hsiao-Wei, A. A. Tyapkin, 13 pp.

RUSSIAN, Per, Uspekh Fiz Nauk, Vol LXXII, 1960, pp 133-152.

HTF
Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

147,181

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(DC-5533)

Sergey Nikolayevich Vernov, 5 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, No 1, 1960, pp 153-155.

JPRS 84.32

USSR

Biog

Jun 61

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APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Generation, Amplification, and Detection of Infrared and Optical Radiation by Quantum-Mechanical Systems, by N. G. Basov, O. N. Krokhin, Yu. M. Popov, 27 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960, pp 161-209.

AIP
Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

147,178

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Undiscovered Isotopes of Light Nuclei, by A. I. Baz', V. I. Gol'danskiy, Ya. B. Zel'dovich, 14 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960, pp 211-234.

AIP
Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

147,179

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Propagation and Generation of Low-Frequency Electromagnetic Waves in the Upper Atmosphere, by B. N. Gershman, V. A. Ugarov, 22 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960, pp 235-271.

ADP
Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

147,180

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

The Investigation of Diffusion in Metal Oxides by Means of Radioactive Tracers, by N. S. Gorbunov, V. I. Ivenkov, 20 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, 1960, pp 273-306.

AIP
Soviet Phys - Uspekh
Vol III, No 5

Sci - Phys

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

(DC-5008)

Abram Fedorovich Ioffe (On His 80th Anniversary), by I. K. Kikoin, M. S. Sominskiy, 26 pp.

RUSSIAN, per, Uspekh Fiz Nauk, Vol LXXII, No 2, Oct 1960, pp 307-321.

JPRS 6981

146,039

USSR

Biog

Apr 61

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5

Resonance Scattering of Gamma Rays in Crystals, by G. N. Belozerskiy, Yu. A. Nemilov, 19 pp.

RUSSIAN, per, Uspekhi Fiz Nauk, Vol LXXII, 1960, pp 433-466.

AIP
Sov Phys - Uspekhi
Vol III, No 6

Sci

Jun 61

155-619

APPROVED FOR RELEASE: Wednesday, May 29, 2002 CIA-RDP91-00772R000201220033-5